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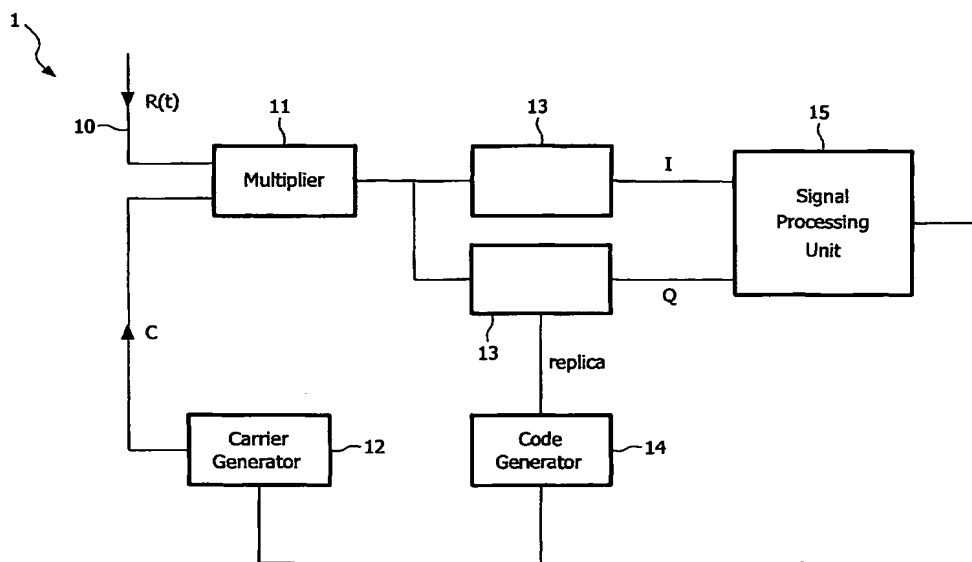
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[Continued on next page]

(54) Title: METHOD OF POSITION DETERMINATION



(57) Abstract: Unit 1 has antenna (10) receive incoming signal R(t) and it pass it to multiplier block (11) for multiplication with output C from the carrier generator (12) in order to mix down signal R(t) which is passed to a block of correlators (13) for sequential correlation replica code of the mixed down signal and the generator correlators (13) from code generator, in order to produce correlation data from the I (imaginary) and Q (real) channels using input signals from code generator (14). The correlation data is then passed to signal processing block (15) which adjusts appropriately both the code generator (13) and carrier generator (12) to provide accurate position measurement in indoor environments with multiple diffuse reflections.



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